



```

chain nodes :
  1  2  3  4  5  6  7  8  9 53 54 56 57 58 61 62 64
ring nodes :
 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33
 34 35 36 37 38 39 40 41 42 43 44 45
chain bonds :
 1-2 2-3 2-56 3-4 3-53 4-5 4-57 5-6 6-7 7-8 7-61 8-9 8-54 9-41 9-58 61-62 62-64
ring bonds :
10-11 10-15 11-12 12-13 13-14 14-15 16-17 16-21 17-18 18-19 19-20 20-21 22-23
22-27 23-24 24-25 25-26 26-27 28-29 28-33 29-30 30-31 31-32 32-33 34-35 34-39
35-36 36-37 37-38 38-39 40-41 40-45 41-42 42-43 43-44 44-45
exact/norm bonds :
 1-2 2-3 3-4 3-53 7-8 8-9 8-54 9-41 62-64
exact bonds :
 2-56 4-5 4-57 5-6 6-7 7-61 9-58 61-62
normalized bonds :
10-11 10-15 11-12 12-13 13-14 14-15 16-17 16-21 17-18 18-19 19-20 20-21 22-23
22-27 23-24 24-25 25-26 26-27 28-29 28-33 29-30 30-31 31-32 32-33 34-35 34-39
35-36 36-37 37-38 38-39 40-41 40-45 41-42 42-43 43-44 44-45

```

G1:[*1],[*2],[*3],[*4],[*5]

G2:O,S

G3:N,Hy

```

Match level :
 1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom
21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom
31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom 38:Atom 39:Atom 40:Atom
41:Atom 42:Atom 43:Atom 44:Atom 45:Atom 53:CLASS 54:CLASS 56:CLASS 57:CLASS 58:CLASS
61:CLASS 62:CLASS 64:CLASS

```

